

Refrigerator grease composition

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Inventor: TAKA KAIKOME (JP); HITOSHI TAKAHASHI (JP)

Applicant: JAPAN ENERGY CORP (JP)

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PROBLEM TO BE SOLVED: To provide a refrigerator oil composition which hardly forms sludge at the delivery valve of a compressor even when being used for a long period of time and can suppress abrasion at a sliding part, enabling a refrigerator to stably operate for a long period of time.

SOLUTION: The refrigerator oil composition is characterized as follows: the fractions of ≤ 300 [deg.]C boiling point and ≥ 500 [deg.]C boiling point are 5-30 wt.% and 5-35 wt.%, respectively, according to a gas chromatographic distillation test; 20% distillation temperature is ≥ 250 [deg.]C according to the same test; %Cp by an n-d-M ring analysis is $\geq 35\%$; a nitrogen content is ≤ 10 ppm; a pour point is ≤ -20 [deg.]C and a kinetic viscosity at 40[deg.]C is 7-150 mm²/s.

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[71] 申请人 日本能源株式会社

地址 日本东京

[72] 发明人 开米贵 高桥仁

[74] 专利代理机构 上海专利商标事务所
代理人 胡 烨

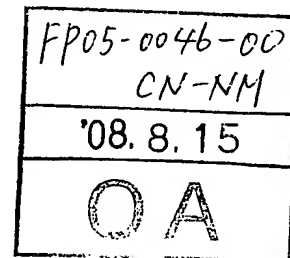
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[54] 发明名称 冷冻机油组合物

[57] 摘要

本发明提供一种冷冻机油组合物, 即使长期使用, 在压缩机排出阀上也几乎不生成油泥, 且能够抑制滑动部的磨损, 能够长期稳定地使冷冻机工作。该冷冻机油组合物, 利用气相色谱法的蒸馏试验方法测得沸点在 300℃ 以下的馏分为 5-30 重量%, 沸点在 500℃ 以上的馏分为 5-35 重量%, 利用相同方法, 测得 20% 馏出温度在 250℃ 以上, n-d-M 环分析的 %C_p 在 35% 以上、含氮量在 10ppm 以下, 流动点为 -20℃ 以下, 40℃ 的运动粘度为 7-150mm²/s。

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